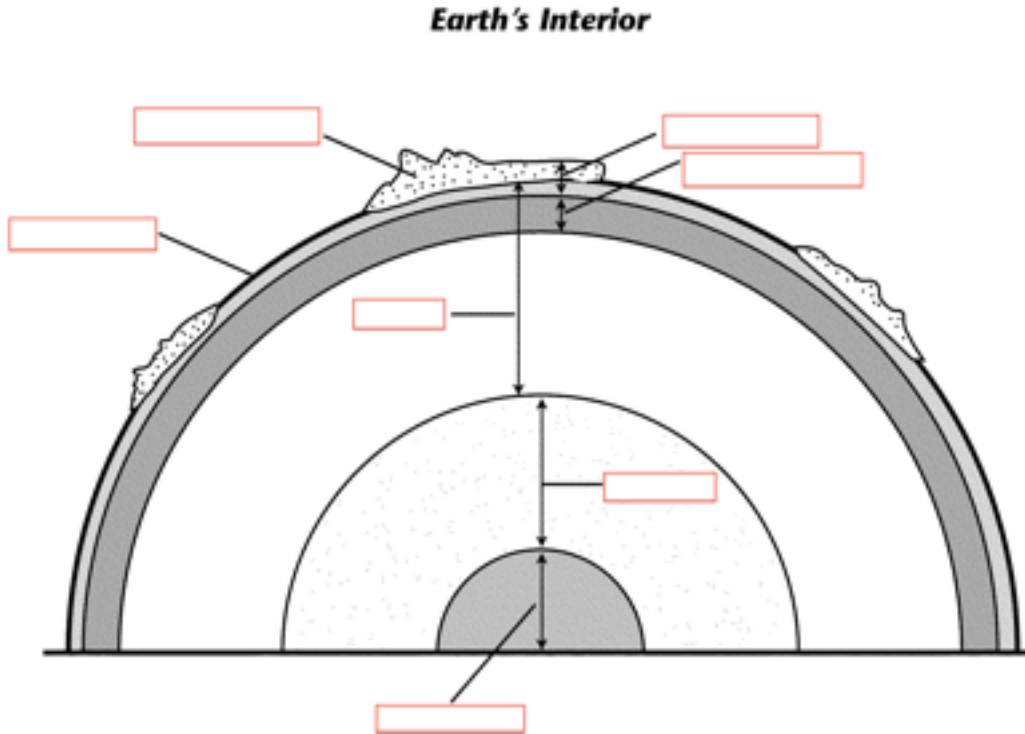


PRACTICE: Plate Tectonics

1. Use the following vocabulary to label the diagram.



- continental crust
- oceanic crust
- lithosphere
- asthenosphere
- lower mantle
- outer core
- inner core

2. Describe the observation that first led to Wegener's hypothesis of continental drift.
3. Summarize the evidence that supports Wegener's hypothesis.
4. Compare sea-floor spreading with the formation of mid-ocean ridges.
5. Explain how scientists know that the Earth's magnetic poles have reversed many times during Earth's history.

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14. Compare the changes in Earth's surface that happen at a convergent boundary with those that happen at a divergent boundary.

15. Describe the role of convection currents in plate movement.

16. Describe how ridge push and slab pull contribute to the movement of tectonic plates.

17. How do convergent boundaries add material to Earth's surface?

18. Explain how the outward transfer of energy as heat from inside Earth drives the movement of tectonic plates.

19. Explain how mountains on land can be composed of rocks that contain fossils of marine animals.